

**12-Month Forecast of CVP Generation and Base Resource**  
**December 2004 through November 2005**  
**Values at Tracy Substation**

Exceedence Level: **90% (Dry)**

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource		
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)	Estimated Ancillary Services Capacity (MW)	PU Forward Purchase Off-Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Return Energy to CVP Corp (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan-05	635.8	143.7	184.5	173.1	30.9	14.3	98.7	17.2	0.0	26.6	-29.6	0.0	0.0	321.7	0.0	0.0
Feb-05	816.9	134.6	156.7	152.6	27.6	11.6	103.1	14.4	0.0	15.2	-18.2	0.0	0.0	529.4	0.0	0.0
Mar-05	886.7	156.8	101.5	67.0	25.9	12.2	104.3	15.6	0.0	0.0	0.0	0.0	0.0	655.1	93.2	19.1
Apr-05	1,132.4	275.6	91.9	53.1	24.7	11.2	110.5	0.0	0.0	0.0	0.0	0.0	0.0	905.3	211.3	32.4
May-05	1,308.0	406.7	82.6	46.7	27.9	12.7	115.0	0.0	0.0	0.0	0.0	12.3	0.0	1,051.8	335.1	42.8
Jun-05	1,299.9	478.9	142.3	88.1	29.6	12.4	115.5	0.0	0.0	0.0	0.0	12.3	0.0	982.9	366.1	51.7
Jul-05	1,407.9	555.4	214.5	155.4	34.2	14.8	119.2	0.0	0.0	0.0	0.0	10.7	0.0	1,013.3	374.5	49.7
Aug-05	1,307.8	490.6	200.7	145.5	32.0	13.6	116.4	0.0	0.0	0.0	0.0	10.7	0.0	934.1	320.8	46.2
Sep-05	1,054.1	290.7	144.2	114.4	28.1	12.2	109.1	0.0	0.0	0.0	0.0	0.0	0.0	772.6	164.1	29.5
Oct-05	877.6	277.0	146.6	146.4	24.6	12.3	104.6	16.4	0.0	0.0	0.0	0.0	0.0	601.8	134.8	30.1
Nov-05	653.9	87.1	81.4	33.7	27.6	12.7	98.0	16.0	0.0	0.0	0.0	0.0	0.0	446.9	56.7	17.6
Total		3,297.3		1,176.1		140.0		79.6		41.7	-47.7	45.9			2,056.6	

Exceedence Level **50% (Average)**

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource		
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)	Estimated Ancillary Services Capacity (MW)	PU Forward Purchase Off-Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Return Energy to CVP Corp (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan-05	693.5	151.3	165.3	173.1	30.9	14.3	100.0	17.2	0.0	18.9	-21.9	0.0	0.0	397.3	0.0	0.0
Feb-05	912.2	174.1	156.7	152.6	27.6	11.6	105.6	14.4	0.0	0.0	0.0	0.0	0.0	622.2	24.3	5.8
Mar-05	985.8	208.4	101.5	67.0	25.9	12.2	106.8	15.6	0.0	0.0	0.0	0.0	0.0	751.6	144.8	25.9
Apr-05	1,331.9	428.1	91.9	53.1	24.7	11.2	115.7	0.0	0.0	0.0	0.0	0.0	0.0	1,099.6	363.8	46.0
May-05	1,471.5	610.8	82.6	46.7	27.9	12.7	119.3	0.0	0.0	0.0	0.0	5.6	0.0	1,227.7	545.8	59.8
Jun-05	1,454.2	597.9	142.3	88.1	29.6	12.4	119.5	0.0	0.0	0.0	0.0	5.6	0.0	1,149.3	491.7	59.4
Jul-05	1,572.7	635.4	234.7	155.4	34.2	14.8	123.7	0.0	0.0	0.0	0.0	4.9	0.0	1,167.8	460.2	53.0
Aug-05	1,519.9	554.3	220.9	145.5	32.0	13.6	122.2	0.0	0.0	0.0	0.0	4.9	0.0	1,133.5	390.3	46.3
Sep-05	1,374.3	403.5	164.4	114.4	28.1	12.2	117.7	0.0	0.0	0.0	0.0	0.0	0.0	1,064.0	276.8	36.1
Oct-05	1,123.0	289.4	187.0	146.4	24.6	12.3	111.4	16.4	0.0	0.0	0.0	0.0	0.0	799.9	147.2	24.7
Nov-05	711.4	140.4	148.2	141.7	27.6	12.7	100.3	16.0	0.0	0.0	-1.1	0.0	0.0	435.4	1.9	0.6
Total		4,193.6		1,284.1		140.0		79.6		18.9	-23.0	21.1			2,846.9	

Exceedence Level **10% (Wet)**

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource		
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)	Estimated Ancillary Services Capacity (MW)	PU Forward Purchase Off-Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Return Energy to CVP Corp (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan-05	1,081.5	510.3	234.9	188.2	30.9	14.3	110.9	17.2	0.0	0.0	0.0	0.0	0.0	704.8	324.9	62.0
Feb-05	1,414.9	555.5	219.1	158.0	27.6	11.6	119.4	14.4	0.0	0.0	0.0	0.0	0.0	1,048.7	400.4	56.8
Mar-05	1,230.1	678.2	341.9	230.7	25.9	12.2	116.1	15.6	0.0	0.0	0.0	0.0	0.0	746.2	450.9	81.2
Apr-05	1,409.2	592.9	204.5	167.7	24.7	11.2	119.1	0.0	0.0	0.0	0.0	0.0	0.0	1,061.0	413.9	54.2
May-05	1,535.6	776.7	222.6	136.7	27.9	12.7	122.6	0.0	0.0	0.0	0.0	0.0	0.0	1,162.5	627.3	72.5
Jun-05	1,635.1	694.0	220.7	122.6	29.6	12.4	125.2	0.0	0.0	0.0	0.0	0.0	0.0	1,259.7	559.0	61.6
Jul-05	1,756.2	807.7	294.1	195.7	34.2	14.8	129.2	0.0	0.0	0.0	0.0	0.0	0.0	1,298.6	597.2	61.8
Aug-05	1,913.1	722.5	338.0	241.1	32.0	13.6	133.8	0.0	0.0	0.0	0.0	0.0	0.0	1,409.4	467.7	44.6
Sep-05	1,739.1	595.0	208.0	105.6	28.1	12.2	127.7	0.0	0.0	0.0	0.0	0.0	0.0	1,375.2	477.1	48.2
Oct-05	1,186.4	464.2	282.2	175.6	24.6	12.3	114.2	16.4	0.0	0.0	0.0	0.0	0.0	765.4	292.7	51.4
Nov-05	1,178.1	376.6	280.3	204.0	27.6	12.7	114.0	16.0	0.0	0.0	0.0	0.0	0.0	756.3	175.9	32.3
Total		6,773.5		1,925.9		140.0		79.6		0.0	0.0	0.0			4,787.2	

Notes:

- For the AS capacity (Column G), it was assumed that the Single Largest Contingency (SLC) was SMUD's Cambells Soup plant or a transmission constraint on Western's system (80 MW), 44% of which is assigned to Western, 40 MW of which is the spin requirement. The capacity reservation was calculated as 40 MW spin for the SLC plus 40 MW for regulation plus 5% of the Base Resource in the ISO area. It was assumed that 52% of the total Base Resource in any hour will reside in the ISO area.
- An average of 1.81 % losses would be assessed on both capacity and energy between generation and load within Western's sub-control area.
- Reclamation's forecast of capacity at Spring Creek and New Melones power plants were adjusted in certain months to account for outages that would significantly limit availability of Base Resource capacity in those months.
- CVP Corp transactions (in monthly energy and equivalent capacity) were included to reflect a target of \$4.537 million in the CVP Corp account at the end of the fiscal year. A 3 GWh planning margin is added to each month when receiving energy from CVP Corp. Timing and amount of transactions are subject to change.
- CVP generation and Project Use data for 50% and 90% Exceedence Levels are from USBR November 22, 2004 50% and 90% Exceedence water forecasts, respectively. Generation and Project Use data for the 10% Exceedence Level are statistically derived.